



SEQUENCE LISTING

<110> Bujard, Herman
Gossen, Manfred
Salfeld, Jochen
Voss, Jeffrey

<120> Tetracycline-Regulated Transcriptional
Activator Fusion Proteins

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<140> 09/777317

<141> 2001-02-05

<150> 09/163276

<151> 1998-09-29

<150> 08/479306

<151> 1995-06-07

<150> 08/260452

<151> 1997-07-22

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<213> Herpes Simplex Virus

<220>

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ctt	aat	gag	gtc	gga	atc	gaa	ggt	tta	aca	acc	cgt	aaa	ctc	gcc	cag	96
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Arg Ala Leu Leu Asp Ala Leu Ala Ile Glu Met Leu Asp Arg His His	
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act cac ttt tgc cct tta gaa ggg gaa agc tgg caa gat ttt tta cgt	240
Thr His Phe Cys Pro Leu Glu Gly Glu Ser Trp Gln Asp Phe Leu Arg	
65 70 75 80	
aat aag gct aaa agt ttt aga tgt gct tta cta agt cat cgc gat gga	288
Asn Lys Ala Lys Ser Phe Arg Cys Ala Leu Leu Ser His Arg Asp Gly	
85 90 95	
gca aaa gta cat tta ggt aca cgg cct aca gaa aaa cag tat gaa act	336
Ala Lys Val His Leu Gly Thr Arg Pro Thr Glu Lys Gln Tyr Glu Thr	
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Asn Ala Leu Tyr Ala Leu Ser Ala Val Gly His Phe Thr Leu Gly Cys	
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gta ttg gaa gat caa gag cat caa gtc gct aaa gaa gaa agg gaa aca	480
Val Leu Glu Asp Gln Glu His Gln Val Ala Lys Glu Glu Arg Glu Thr	
145 150 155 160	
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Pro Thr Thr Asp Ser Met Pro Pro Leu Leu Arg Gln Ala Ile Glu Leu	
165 170 175	
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Phe Asp His Gln Gly Ala Glu Pro Ala Phe Leu Phe Gly Leu Glu Leu	
180 185 190	
atc ata tgc gga tta gaa aaa caa ctt aaa tgt gaa agt ggg tcc gcg	624
Ile Ile Cys Gly Leu Glu Lys Gln Leu Lys Cys Glu Ser Gly Ser Ala	
195 200 205	
tac agc cgc gcg cgt acg aaa aac aat tac ggg tct acc atc gag ggc	672
Tyr Ser Arg Ala Arg Thr Lys Asn Asn Tyr Gly Ser Thr Ile Glu Gly	
210 215 220	
ctg ctc gat ctc ccg gac gac gac gcc ccc gaa gag gcg ggg ctg gcg	720
Leu Leu Asp Leu Pro Asp Asp Asp Ala Pro Glu Glu Ala Gly Leu Ala	
225 230 235 240	
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Ala Pro Arg Leu Ser Phe Leu Pro Ala Gly His Thr Arg Arg Leu Ser	
245 250 255	
acg gcc ccc ccg acc gat gtc agc ctg ggg gac gag ctc cac tta gac	816
Thr Ala Pro Pro Thr Asp Val Ser Leu Gly Asp Glu Leu His Leu Asp	
260 265 270	

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      275                      280                      285

ctg gac atg ttg ggg gac ggg gat tcc ccg ggt ccg gga ttt acc ccc      912
Leu Asp Met Leu Gly Asp Gly Asp Ser Pro Gly Pro Gly Phe Thr Pro
      290                      295                      300

cac gac tcc gcc ccc tac ggc gct ctg gat atg gcc gac ttc gag ttt      960
His Asp Ser Ala Pro Tyr Gly Ala Leu Asp Met Ala Asp Phe Glu Phe
      305                      310                      315                      320

gag cag atg ttt acc gat ccc ctt gga att gac gag tac ggt ggg      1005
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<213> Herpes Simplex Virus

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Lys Leu Gly Val Glu Gln Pro Thr Leu Tyr Trp His Val Lys Asn Lys
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Arg Ala Leu Leu Asp Ala Leu Ala Ile Glu Met Leu Asp Arg His His
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Thr His Phe Cys Pro Leu Glu Gly Glu Ser Trp Gln Asp Phe Leu Arg
      65          70          75          80
Asn Lys Ala Lys Ser Phe Arg Cys Ala Leu Leu Ser His Arg Asp Gly
      85          90          95
Ala Lys Val His Leu Gly Thr Arg Pro Thr Glu Lys Gln Tyr Glu Thr
      100          105          110
Leu Glu Asn Gln Leu Ala Phe Leu Cys Gln Gln Gly Phe Ser Leu Glu
      115          120          125
Asn Ala Leu Tyr Ala Leu Ser Ala Val Gly His Phe Thr Leu Gly Cys
      130          135          140
Val Leu Glu Asp Gln Glu His Gln Val Ala Lys Glu Glu Arg Glu Thr
      145          150          155          160
Pro Thr Thr Asp Ser Met Pro Pro Leu Leu Arg Gln Ala Ile Glu Leu
      165          170          175
Phe Asp His Gln Gly Ala Glu Pro Ala Phe Leu Phe Gly Leu Glu Leu
      180          185          190
Ile Ile Cys Gly Leu Glu Lys Gln Leu Lys Cys Glu Ser Gly Ser Ala
      195          200          205
Tyr Ser Arg Ala Arg Thr Lys Asn Asn Tyr Gly Ser Thr Ile Glu Gly
      210          215          220
Leu Leu Asp Leu Pro Asp Asp Asp Ala Pro Glu Glu Ala Gly Leu Ala
      225          230          235          240
Ala Pro Arg Leu Ser Phe Leu Pro Ala Gly His Thr Arg Arg Leu Ser
      245          250          255

Thr Ala Pro Pro Thr Asp Val Ser Leu Gly Asp Glu Leu His Leu Asp
      260          265          270
Gly Glu Asp Val Ala Met Ala His Ala Asp Ala Leu Asp Asp Phe Asp

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 <213> Herpes Simplex Virus

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<221> mRNA
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<221> misc_binding
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ctt aat gag gtc gga atc gaa ggt tta aca acc cgt aaa ctc gcc cag																96
Leu	Asn	Glu	Val	Gly	Ile	Glu	Gly	Leu	Thr	Thr	Arg	Lys	Leu	Ala	Gln	
			20					25						30		
aag cta ggt gta gag cag cct aca ttg tat tgg cat gta aaa aat aag																144
Lys	Leu	Gly	Val	Glu	Gln	Pro	Thr	Leu	Tyr	Trp	His	Val	Lys	Asn	Lys	
		35					40					45				
cgg gct ttg ctc gac gcc tta gcc att gag atg tta gat agg cac cat																192
Arg	Ala	Leu	Leu	Asp	Ala	Leu	Ala	Ile	Glu	Met	Leu	Asp	Arg	His	His	
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65					70				75					80		
aat aac gct aaa agt ttt aga tgt gct tta cta agt cat cgc gat gga																288
Asn	Asn	Ala	Lys	Ser	Phe	Arg	Cys	Ala	Leu	Leu	Ser	His	Arg	Asp	Gly	
				85					90					95		
gca aaa gta cat tta ggt aca cgg cct aca gaa aaa cag tat gaa act																336
Ala	Lys	Val	His	Leu	Gly	Thr	Arg	Pro	Thr	Glu	Lys	Gln	Tyr	Glu	Thr	
			100					105					110			
ctc gaa aat caa tta gcc ttt tta tgc caa caa ggt ttt tca cta gag																384
Leu	Glu	Asn	Gln	Leu	Ala	Phe	Leu	Cys	Gln	Gln	Gly	Phe	Ser	Leu	Glu	

115	120	125	
aat gca tta tat gca ctc agc gct gtg ggg cat ttt act tta ggt tgc			432
Asn Ala Leu Tyr Ala Leu Ser Ala Val Gly His Phe Thr Leu Gly Cys			
130	135	140	
gta ttg gaa gat caa gag cat caa gtc gct aaa gaa gaa agg gaa aca			480
Val Leu Glu Asp Gln Glu His Gln Val Ala Lys Glu Glu Arg Glu Thr			
145	150	155	160
cct act act gat agt atg ccg cca tta tta cga caa gct atc gaa tta			528
Pro Thr Thr Asp Ser Met Pro Pro Leu Leu Arg Gln Ala Ile Glu Leu			
165	170	175	
ttt gat cac caa ggt gca gag cca gcc ttc tta ttc ggc ctt gaa ttg			576
Phe Asp His Gln Gly Ala Glu Pro Ala Phe Leu Phe Gly Leu Glu Leu			
180	185	190	
atc ata tgc gga tta gaa aaa caa ctt aaa tgt gaa agt ggg tct gat			624
Ile Ile Cys Gly Leu Glu Lys Gln Leu Lys Cys Glu Ser Gly Ser Asp			
195	200	205	
cca tcg ata cac acg cgc aga ctg tcg acg gcc ccc ccg acc gat gtc			672
Pro Ser Ile His Thr Arg Arg Leu Ser Thr Ala Pro Pro Thr Asp Val			
210	215	220	
agc ctg ggg gac gag ctc cac tta gac ggc gag gac gtg gcg atg gcg			720
Ser Leu Gly Asp Glu Leu His Leu Asp Gly Glu Asp Val Ala Met Ala			
225	230	235	240
cat gcc gac gcg cta gac gat ttc gat ctg gac atg ttg ggg gac ggg			768
His Ala Asp Ala Leu Asp Asp Phe Asp Leu Asp Met Leu Gly Asp Gly			
245	250	255	
gat tcc ccg ggt ccg gga ttt acc ccc cac gac tcc gcc ccc tac ggc			816
Asp Ser Pro Gly Pro Gly Phe Thr Pro His Asp Ser Ala Pro Tyr Gly			
260	265	270	
gct ctg gat atg gcc gac ttc gag ttt gag cag atg ttt acc gat gcc			864
Ala Leu Asp Met Ala Asp Phe Glu Phe Glu Gln Met Phe Thr Asp Ala			
275	280	285	
ctt gga att gac gag tac ggt ggg ttc tag			894
Leu Gly Ile Asp Glu Tyr Gly Gly Phe			
290	295		

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<211> 297

<212> PRT

<213> Herpes Simplex Virus

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Lys Leu Gly Val Glu Gln Pro Thr Leu Tyr Trp His Val Lys Asn Lys	
35 40 45	
Arg Ala Leu Leu Asp Ala Leu Ala Ile Glu Met Leu Asp Arg His His	
50 55 60	

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Thr His Phe Cys Pro Leu Glu Gly Glu Ser Trp Gln Asp Phe Leu Arg
65      70      75      80
Asn Asn Ala Lys Ser Phe Arg Cys Ala Leu Leu Ser His Arg Asp Gly
      85      90      95
Ala Lys Val His Leu Gly Thr Arg Pro Thr Glu Lys Gln Tyr Glu Thr
      100      105      110
Leu Glu Asn Gln Leu Ala Phe Leu Cys Gln Gln Gly Phe Ser Leu Glu
      115      120      125
Asn Ala Leu Tyr Ala Leu Ser Ala Val Gly His Phe Thr Leu Gly Cys
      130      135      140
Val Leu Glu Asp Gln Glu His Gln Val Ala Lys Glu Glu Arg Glu Thr
145      150      155      160
Pro Thr Thr Asp Ser Met Pro Pro Leu Leu Arg Gln Ala Ile Glu Leu
      165      170      175
Phe Asp His Gln Gly Ala Glu Pro Ala Phe Leu Phe Gly Leu Glu Leu
      180      185      190
Ile Ile Cys Gly Leu Glu Lys Gln Leu Lys Cys Glu Ser Gly Ser Asp
      195      200      205
Pro Ser Ile His Thr Arg Arg Leu Ser Thr Ala Pro Pro Thr Asp Val
210      215      220
Ser Leu Gly Asp Glu Leu His Leu Asp Gly Glu Asp Val Ala Met Ala
225      230      235      240
His Ala Asp Ala Leu Asp Asp Phe Asp Leu Asp Met Leu Gly Asp Gly
      245      250      255
Asp Ser Pro Gly Pro Gly Phe Thr Pro His Asp Ser Ala Pro Tyr Gly
      260      265      270
Ala Leu Asp Met Ala Asp Phe Glu Phe Glu Gln Met Phe Thr Asp Ala
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Leu Gly Ile Asp Glu Tyr Gly Gly Phe
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 <212> DNA
 <213> Human cytomegalovirus

<220>
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tgatagagaa aagtgaagtg cgagtttacc actccctatc agtgatagag aaaagtgaaa 300
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 <213> Human cytomegalovirus

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<210> 7

<211> 398

<212> DNA

<213> Herpes Simplex Virus

<400> 7

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gagatccggc gaattcgaac acgcagatgc agtcggggcg gcgcgggtccg aggtccactt 360
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<212> DNA

<213> Herpes Simplex Virus

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